Signature

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UTILITY PATENT APPLICATION TRANSMITTAL	Attorney Docket No.	501.43680X00		
	First Inventor	SHIGA, KENTA	PTC 02	
	Title	PATH CONTROL METHOD	J.S.	
y for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Lahel No		80	

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Mail Stop Patent Application **Commissioner for Patents APPLICATION ELEMENTS** ADDRESS TO: P.O. Box 1450 SEE MPEP chapter 600 concerning utility patent application contents. Alexandria VA 22313-1450 1. Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission Applicant claims small entity status. fif applicable, all necessary) See 37 CFR 1.27. Computer Readable Form (CRF) b. Specification Sequence Listing on: з. 🖂 Specification [Total Pages: 69] i. . D CD-ROM or CD-R (2 copies); or (preferred arrangement set forth below) -Descriptive title of the invention ii. . 🔲 paper -Cross Reference to Related Applications -Statement Regarding Fed sponsored R & D c. Statements verifying identity of above copies -Reference to sequence listing, a table, or a computer program listing appendix ACCOMPANYING APPLICATION PARTS -Background of the Invention -Brief Summary of the Invention Assignment Papers (cover sheet & documents(s)) -Brief Description of the Drawings (if filed) -Detailed Description 37 CFR 3.73(b) Statement Power of Attorney -Claim(s) (when there is an assignee) -Abstract of the Disclosure English Translation Document (if applicable) 4. 🛛 Drawing(s) (35 U.S.C. 113) [Total Sheets: 19] Copies of IDS Citations Information Disclosure Statement (IDS)/PTO-1449 5. Oath or Declaration [Total Sheets: \_ **Preliminary Amendment** Newly executed (original or copy) Return Receipt Postcard (MPEP 503) Copy from a prior application (37 CFR 1.63 (d)) (Should be specifically itemized) (for continuation/divisional with Box 18 completed) Certified Copy of Priority Document(s) **DELETION OF INVENTOR(S)** (if foreign priority is claimed) Signed statement attached deleting inventor(s) Nonpublication Request under 35 U.S.C. 122 Named in the prior application, see 37 CFR (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b) or its equivalent. 17. Other: Figs. 1-19, Credit Card Payment Form, Claim Application Data Sheet. See 37 CFR 1.76 For Priority Letter 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation □ Divisional ☐ Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number OR Correspondence address below 020457 Name ANTONELLI, TERRY, STOUT & KRAUS, LLP Address State Zip Code City Telephone (703) 312-6600 (703) 312-6666 Country Registration No. (Attorney/Agent) Carl I. Brundidge Name (Print/Type) 29,621 Date March 17, 2004

This collection of information required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (10-03)
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FEE TRANSMITTAL for FY 2004  Effective 10/01/2003. Patent fees are subject to annual revision.  Applicant claims small entity status. See 37 CFR 1.27  TOTAL AMOUNT OF PAYMENT (\$) 856.00  METHOD OF PAYMENT (check all that apply)  Check Credit Card Money Other None Order  Deposit Account Number  The Director is authorized to: (check all that apply)  The Director is authorized to: (check all that apply)  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below Credit any overpayments  Charge fee(s) indicated below, except for the filling fee to to the above-identified deposit account.  FEE CALCULATION  1805  1804  920'  Requesting publication of SIR prior to to the above-identified deposit account.  1805  1,840' Requesting publication of SIR after Examiner action	umber.						
Filing Date  Filing Date  March 17, 2004  First Named Inventor  SHIGA, KENTA  Examiner Name  Art Unit  TOTAL AMOUNT OF PAYMENT  Check Credit Card Money Order  Deposit Account Number Deposit Account Number Deposit Account Name  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below Credit any overpayments  Charge see(s) indicated below except for the filing fee to the above-identified deposit account.  FEE CALCULATION  Total AMOUNT OF PAYMENT  (\$) 856.00  Attorney Docket No. 501.43680X00  FEE CALCULATION (continued)  Art Unit  FEE CALCULATION (continued)  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below Credit any overpayments  Charge fee(s) indicated below except for the filing fee to the above-identified deposit account.  FEE CALCULATION  1805 1,840 1805 1,84							
First Named Inventor SHIGA, KENTA  Examiner Name  Applicant claims small entity status. See 37 CFR 1.27  TOTAL AMOUNT OF PAYMENT  (\$) 856.00  METHOD OF PAYMENT (check all that apply)  Check Credit Card Money Other None Order  Deposit Account Number Deposit Account Number Deposit Account Name  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below Credit any overpayments  Charge any additional fee(s) during the pendency of this application.  Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  FEE CALCULATION  FEE CALCULATION  SHIGA, KENTA  Examiner Name  Art Unit  Art Unit  Art Unit  Art Unit  FEE CALCULATION (continued)  SOJ. 43680X00  FEE CALCULATION (continued)  SOJ. 43680X00  FEE CALCULATION (continued)  SOJ. 43680X00  FEE CALCULATION (continued)  SOJ. 43680X00  FEE CALCULATION (continued)  FEE							
Effective 10/01/2003. Patent fees are subject to annual revision.  Applicant claims small entity status. See 37 CFR 1.27  TOTAL AMOUNT OF PAYMENT  (\$) 856.00  METHOD OF PAYMENT (check all that apply)  Check Credit Card Money Other None Order  Deposit Account:  Dep							
Applicant claims small entity status. See 37 CFR 1.27  TOTAL AMOUNT OF PAYMENT  (\$) 856.00  METHOD OF PAYMENT (check all that apply)  □ Check □ Credit Card □ Money □ Other □ None Order  □ Deposit Account: □ Deposit Account: □ Deposit Account Number Deposit Account Name  The Director is authorized to: (check all that apply) □ Charge fee(s) indicated below □ Credit any overpayments □ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  □ Applicant claims small entity status. See 37 CFR 1.27  Art Unit  Attorney Docket No. 501.43680X00  FEE CALCULATION (continued)  ■ Attorney Docket No. 501.43680X00  ■ Attorney Docket No. 501.43680X00  ■ Attorney Docket No. 501.43680X00  ■ Charge Entity   Small Entity    Fee Fee   Fee   Fee   Fee   Fee   Fee   Code (\$)    Code (\$)   Fee Description    Surcharge - late filing fee or cover sheet  □ Charge fee(s) indicated below □ Credit any overpayments □ Charge fee(s) indicated below, except for the filing fee   1804   920* 1804   920* 1804   920* 1804   920* 1804   920* 1804   920* 1804   920* 1804   920* 1805   1,840* Requesting publication of SIR prior to Examination action							
TOTAL AMOUNT OF PAYMENT  (\$) 856.00  METHOD OF PAYMENT (check all that apply)  Check  Credit Card  Money Order  None Order  Antonelli, Terry, Stout & Kraus, LLP Name  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below  Charge any additional fee(s) during the pendency of this application.  Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  FEE CALCULATION  Attorney Docket No. 501.43680X00  FEE CALCULATION (continued)  FEE CALCULATION (continued)  Attorney Docket No. 501.43680X00  FEE CALCULATION (continued)							
METHOD OF PAYMENT (check all that apply)  Check Credit Card Money Other None Order  Deposit Account Number Deposit Account Name  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below Credit any overpayments  Charge any additional fee(s) during the pendency of this application.  Charge fee(s) indicated below, except for the filing fee to to the above-identified deposit account.  METHOD OF PAYMENT (check all that apply)  3. ADDITIONAL FEES  Large Entity Small Entity  Fee Fee Fee Code (\$) Fee Description  Code (\$) Fee Description  Surcharge – late filing fee or cover sheet  1052 50 2052 25 Surcharge – late provisional filing fee or cover sheet  1053 130 1053 130 Non-English specification  1812 2,520 1812 2,520 For filing a request for ex parte reexamination  1804 920* Requesting publication of SIR prior to Examination action  The Director is authorized to: (check all that apply)  1052 50 2052 25 Surcharge – late provisional filing fee or cover sheet  1053 130 1053 130 Non-English specification  1812 2,520 1812 2,520 For filing a request for ex parte reexamination  1804 920* Requesting publication of SIR prior to Examination action							
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Order  Deposit Account:  Deposit Account Number Deposit Account Number Deposit Account Name  The Director is authorized to: (check all that apply)  □ Charge any additional fee(s) during the pendency of this application.  □ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  FEE CALCULATION  Large Entity   Small Entity    Charge Entity   Small Entity    Fee Fee Code (\$)   Fee Description    Code (\$)   Fee Description    Surcharge   Fee Descripti							
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#1054 440   2054 EE Established for contraction from month							
Large Entity Small Entity  Fee Fee Fee Fee Description  Fee Paid  1252 420 2252 210 Extension for reply within second month							
Code (\$) Code (\$)							
1254 1 480 2254 740 Extension for reply within fourth month							
1002   340   2002   170   Design filing fee   1257   1,400   2257   140   Extension for reply within fifth month							
1004 770 2004 385 Reissue filing fee 1401 330 2401 165 Notice of Appeal							
1005   160   2005   80   Provisional filing fee   1402   330   2402   165   Filing a brief in support of an appeal							
1403 290 2403 145 Request for oral hearing							
SUBTOTAL (1) 770.00 1451 1,510 Petition to institute a public use proceeding							
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE							
Fee from 1453 1,330 2453 665 Petition to revive – unintentional							
Extra Claims below Fee Paid 1501 1,330 2501 665 Utility issue fee (or reissue)							
Total Claims 20 -20** = 0 x 18 = 0 1502 480 2502 240 Design issue fee	——[						
Indep. 4 -3** = 1 x 86 = 86.00   1503 640   2503 320 Plant issue fee							
Claims 1406 130 1460 130 Petitions to the Commissioner							
Multiple Dependent 290 = 0 1807 50 Processing fee under 37 CFR 1.17(q)							
Large Entity   Small Entity   1806 180   1806 180   Submission of Information Disclosure Stmt   Fee Fee Fee Fee Fee Fee Fee Pee Fee Fee							
Code (\$) Code (\$)  1202 18 2202 9 Claims in excess of 20  8021 40 Recording each patent assignment per property (times number of properties)							
1201 86 2201 43 Independent claims in excess of 3 1809 770 2809 385 Filing a submission after final rejection							
1203 290 2203 145 Multiple dependent claim, if not paid 1810 770 2810 385 For each additional invention to be							
1204 86 2204 43 ** Reissue independent claims examined (37 CFR § 1.129(b))							
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 1801 770 2801 385 Request for Continued Examination (RCE)							
and over original patent 1802 900 1802 900 Request for expedited examination of a design application							
SUBTOTAL (2) \$ 86.00	$\neg \neg$						
**or number previously paid, if greater; For Reissues, see above.							
*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.0	00						
SUBMITTED BY Complete (if applicable)							
Registration No.							

SUBMITTED BY	Complete (if applicable)				
Name (Print/Type)	Carl I. Brundidge	Registration No. (Attorney/Agent)	29,621	Telephone	703-312-6600
Signature	11/			Date	March 17, 2004

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by This collection of information is required by 37 CPR 1.17 and 1.27. The information is required to obtain of retain by the public which is do the fall by the public which is do that the public which is do the fall by the public which is do that the public which is do